

## Message Text

UNCLASSIFIED

PAGE 01 STATE 078215  
ORIGIN OES-06

INFO OCT-01 EUR-12 ISO-00 ERDA-07 L-03 CIAE-00 INR-07  
NSAE-00 ACDA-10 IO-13 NSC-05 EB-08 NRC-07 FEAE-00  
DODE-00 COME-00 OIC-02 SS-15 PM-04 /100 R

DRAFTED BY ERDA:OIP:EW:WPENKOWSKY:BW & JYEVICK:RDD  
APPROVED BY OES/APT/SEP:RGMORRIS  
ERDA:OIP:EW:BDHILL  
OES/APT/SEP:DCRAMER  
OES/NET:MPOCHNIK  
EUR/SOV:SHUMPHREY

-----081908Z 121528 /56

R 072158Z APR 77  
FM SECSTATE WASHDC  
TO AMEMBASSY MOSCOW

UNCLAS STATE 078215

E.O. 11652:

AGS: US, UR, TECH, TGEN, ENRG

SUBJECT: US-USSR ATOMIC ENERGY AGREEMENT (07.02)  
FAST BREEDER REACTORS

REFTEL MOSCOW 2929

1. FOR SCIENCE COUNSELOR FOR DELIVERY TO SCAE,  
ARIFMETCHIKOV

APRIL 5, 1977 07.02

PROFESSOR O. D. KAZACHKOVSKY, DIRECTOR  
INSTITUTE OF PHYSICS AND POWER ENGINEERING  
OBNINSK, USSR

UNCLASSIFIED

UNCLASSIFIED

PAGE 02 STATE 078215

DEAR PROFESSOR KAZACHKOVSKY:

WE APPRECIATE YOUR REPLY TO OUR PROPOSAL FOR A JOINT  
SHIELDING SEMINAR PRIOR TO THE INTERNATIONAL SHIELDING  
MEETING, APRIL 18-23, 1977. WE REGRET THERE IS NOW

INSUFFICIENT TIME TO PERMIT THE PREPARATION OF SPECIAL

PAPERS FOR AN IN-DEPTH BILATERAL EXCHANGE IN THE AREA OF FAST BREEDER SHIELDING; HOWEVER, WE ARE NONETHELESS PLEASED THAT SOME USSR PAPERS WILL BE PRESENTED AT THE KNOXVILLE INTERNATIONAL SHIELDING CONFERENCE AND THAT THERE WILL BE OPPORTUNITIES AT THIS CONFERENCE FOR SHIELDING DISCUSSIONS AMONG ALL THE WORLD'S SHIELDING EXPERTS.

IN VIEW OF THE OPPORTUNITIES AVAILABLE DURING THE KNOXVILLE CONFERENCE FOR DISCUSSION OF THE CONFERENCE PAPERS AND IN VIEW OF THE FACT THAT MANY OF THE KEY U.S. EXPERTS HAVE CONFLICTING OBLIGATIONS IMMEDIATELY AFTER THE KNOXVILLE CONFERENCE, WE THANK YOU FOR USSR WILLINGNESS TO MEET WITH U.S. EXPERTS AFTER THE KNOXVILLE MEETING BUT REGRET THAT WE WILL NOT BE ABLE TO ARRANGE SUCH A POST-CONFERENCE MEETING.

WITH REGARD TO THE PROPOSED PHYSICS SEMINAR IN THE USSR, IT IS OUR POSITION THAT THE SINGLE TOPIC OF BREEDING RATIO CALCULATIONS IS TOO LIMITED TO WARRANT A SPECIALIST MEETING. WE BELIEVE IT IS CLEAR FROM OUR PAST EXCHANGE OF LETTERS THAT THE DIFFERENCES BETWEEN U.S. AND USSR BREEDING RATION CALCULATIONS ARE DUE PRIMARILY TO DIFFERENCES IN THE NUCLEAR DATA USED IN EACH CASE. IN THIS REGARD, WE NOTE THAT SEVERAL INTERNATIONAL NUCLEAR DATA CONFERENCES ARE SCHEDULED IN WHICH THE STATUS OF NUCLEAR DATA WILL BE REVIEWED, SUCH AS THE MARCH 1977 CONFERENCE AT THE NATIONAL BUREAU OF STANDARDS, THE APRIL 1977 KIEV CONFERENCE  
UNCLASSIFIED

UNCLASSIFIED

PAGE 03 STATE 078215

AND THE SEPTEMBER 1978 HARWELL CONFERENCE.

CONSISTENT WITH THE AGREEMENT OF THE OCTOBER 1976 MEETING OF THE US/USSR JOINT FBR COORDINATING COMMITTEE MEETING, WE FEEL THAT OTHER TOPICS IN ADDITION TO BREEDING RATIO CALCULATIONS SHOULD BE INCLUDED IN A PHYSICS SEMINAR AND THAT BOTH SIDES SHOULD PRESENT PAPERS ON THE PARTICULAR TOPICS CHOSEN. WE NOTE THAT UNLESS WE CAN AGREE ON ADDITIONAL TOPICS FOR THE PHYSICS SEMINAR IN THE VERY NEAR FUTURE, THERE WILL BE INSUFFICIENT TIME TO PREPARE PAPERS BY THE PROPOSED JUNE MEETING DATE AND HENCE THE JUNE MEETING DATE WILL HAVE TO BE DEFERRED TO A LATER TIME.

IF YOU SHOULD HAVE ADDITIONAL SUGGESTIONS WHICH COULD LEAD TO THE DEVELOPMENT OF A MUTUALLY SATISFACTORY AGENDA FOR THE PHYSICS SEMINAR, WE WOULD BE PLEASED TO CONSIDER THEM.

YOURS TRULY,

ERIC S. BECKJORD, DIRECTOR  
DIVISION OF REACTOR DEVELOPMENT  
AND DEMONSTRATION

2. --WHEN PRESENTING THIS LETTER TO THE SCAE,  
ARIFMETCHIKOV, FOR FORWARDING TO PROFESSOR  
O. KAZACHKOVSKIY AT OBNINSK, PLEASE INFORM  
ARIFMETCHIKOV THAT MR. JOHN YEVICK, SPECIAL ASSISTANT,  
DIVISION OF REACTOR DEVELOPMENT AND DEMONSTRATION,  
ERDA, SPOKE TO DR. INYUTIN, OBNINSK PHYSICS AND POWER  
ENGINEERING INSTITUTE, IN VIENNA DURING THE MEETING  
OF THE IAEA INTERNATIONAL WORKING GROUP FOR FAST REACTORS  
THE WEEK OF MARCH 28. MR. YEVICK INFORMED MR. INYUTIN  
OF THE SUBSTANCE OF THIS LETTER TO KAZACHKOVSKIY AND  
REITERATED THAT THE US SIDE FEELS STRONGLY THAT THE  
UNCLASSIFIED

UNCLASSIFIED

PAGE 04 STATE 078215

PHYSICS SEMINAR PROPOSED FOR JUNE 1977 IN THE USSR  
SHOULD IN ADDITION TO THE SUBJECT BREEDING CHARACTERISTICS  
OF FBR'S, FOR WHICH THE US SIDE COULD CONTRIBUTE THREE  
PAPERS, ALSO INCLUDE SHIELDING AND OTHER PHYSICS PROBLEMS  
AS PREVIOUSLY AGREED DURING THE 3RD FBR JCC MEETING  
IN TBILISI IN OCTOBER 1976.

PLEASE ALSO INFORM ARIFMETCHIKOV THAT THE US SIDE HAS  
REVIEWED THE INFORMATIVE USSR PAPER ON BN-350 IN THE  
FEBRUARY 1977 ISSUE OF ATOMIC ENERGY BUT FEELS THAT  
FURTHER DISCUSSIONS SHOULD BE HELD CONCERNING ALL THE  
PHYSICS OF LMFBR'S WHICH HAS BEEN DEVELOPED IN BOTH  
THE US AND THE USSR. TO ACCOMMODATE THIS INTEREST,  
ERDA WOULD BE WILLING TO CONSIDER POSTPONING THE  
PHYSICS SEMINAR UNTIL APRIL OF 1978 AND ALSO EXTENDING  
THE LENGTH OF THIS SEMINAR BY SEVERAL DAYS.  
VANCE

UNCLASSIFIED

NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01-Jan-1994 12:00:00 am  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** AGREEMENTS, NUCLEAR ENERGY, NUCLEAR REACTORS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Sent Date:** 07-Apr-1977 12:00:00 am  
**Decaption Date:** 01-Jan-1960 12:00:00 am  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01-Jan-1960 12:00:00 am  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1977STATE078215  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** OIPI:EWA:WPENKOWSKY:BW  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D770123-0675  
**Format:** TEL  
**From:** STATE  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1977/newtext/t19770476/aaaacohq.tel  
**Line Count:** 156  
**Litigation Code IDs:**  
**Litigation Codes:**  
**Litigation History:**  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Message ID:** 111549a8-c288-dd11-92da-001cc4696bcc  
**Office:** ORIGIN OES  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 3  
**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** 77 TEL AVIV 2929  
**Retention:** 0  
**Review Action:** RELEASED, APPROVED  
**Review Content Flags:**  
**Review Date:** 21-Jan-2005 12:00:00 am  
**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 2863374  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** US-USSR ATOMIC ENERGY AGREEMENT (07.02) FAST BREEDER REACTORS  
**TAGS:** TECH, TGEN, ENRG, US, UR  
**To:** MOSCOW  
**Type:** TE  
**vdkgvwkey:** odb://SAS/SAS.dbo.SAS\_Docs/111549a8-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
22 May 2009  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009